

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A packer, comprising:
a pressure sensor positioned therein; and
a second pressure sensor, wherein outputs of the pressure sensor and the second pressure sensor are compared to determine whether sufficient fluid is reaching the packer.
2. (Previously presented) The packer of claim 1, wherein the sensor is a micro-electro-mechanical systems sensor.
3. (Original) The packer of claim 1, wherein the sensor is a nanotechnology-based sensor.
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Currently amended) The packer of claim 1, further comprising:
a setting chamber; and
the sensor is positioned adapted to measure a pressure within a setting chamber.
8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Currently amended) A completion, comprising:

a packer having a setting chamber supplied with hydraulic fluid from a remote source;

a pressure gauge adapted to measure a pressure within the setting chamber; and

a pressure sensor to measure a pressure of the hydraulic fluid, supplied by the remote

source, at a location remote from the setting chamber, wherein the the pressure within the setting

chamber is compared with the pressure at the location remote from the setting chamber to

determine whether the hydraulic fluid is reaching the setting chamber.

13. (Original) The completion of claim 12, wherein the pressure gauge measures

the direct pressure of the setting chamber.

14. (Original) The completion of claim 12, wherein the pressure gauge is directly

ported to the setting chamber.

15. (Original) The completion of claim 12, wherein the pressure gauge is

positioned within the setting chamber.

16. (Original) The completion of claim 12, wherein the pressure gauge is

positioned above the packer in a well.

17. (Original) The completion of claim 12, wherein the pressure gauge is adapted to measure a tubing pressure in an interior central passageway of the packer via the setting chamber.

18. (Previously presented) A completion, comprising:
a packer;
a gauge above the packer;
the gauge communicating with an interior cavity of the packer; and
a redundant gauge to verify measurements of the gauge by sensing the same well characteristic at a location spaced from a measurement location of the gauge.

19. (Original) The completion of claim 18, wherein the gauge is directly connected to the packer.

20. (Original) The completion of claim 18, wherein the gauge is positioned within the interior cavity of the packer.

21. (Original) A method for use in a well, comprising directly measuring a pressure in a setting chamber of a downhole tool with a pressure gauge.

22. (Original) The method of claim 21, further comprising measuring a tubing

pressure with the pressure gauge.

23. (Previously presented) A method for use in a well, comprising:
 - positioning a plurality of gauges within a packer;
 - measuring well characteristics at different positions within the well using the gauges; and
 - verifying at least one measured well characteristic by sensing the same measured well characteristic at a spaced measurement location.
24. (Original) The method of claim 23, further comprising measuring a tubing pressure with one of the gauges.
25. (Original) The method of claim 23, further comprising measuring an annulus pressure with one of the gauges.
26. (Original) The method of claim 23, further comprising measuring a setting chamber pressure within the packer with one of the gauges.